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November 6, 2001

Commissioner for Patents
Washington, D.C. 20231

Re: U.S. Nonprovisional Application
Appl. No.: 09 849,526
Filed May 7, 2001
Entitled Nucleic Acid Molecules and Other Molecules
Associated with Plants
Inventors: RUFF, Thomas G. and SHUKLA, Hridayabhiranjan
Atty. Docket: 16517.250 [38-21(51930)B]

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. an Amendment and Response to the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and or Amino Acid Sequence Disclosures;
2. a copy of the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and or Amino Acid Sequence Disclosures;
3. three (3) CD-ROMs separately containing:
 - (i) the sequence listing in computer readable form (*i.e.*, CRF REPLACEMENT 10/31/2001);
 - (ii) COPY 1 REPLACEMENT 10/31/2001 of the sequence listing on compact disc; and
 - (iii) COPY 2 REPLACEMENT 10/31/2001 of the sequence listing on compact disc;
4. a Statement Regarding Sequence Submission; and
5. a return postcard.

Three CD-ROMs accompany this transmittal letter: two copies of a sequence listing (Seq. Listing: COPY 1 REPLACEMENT 10/31/2001, Seq. Listing: COPY 2 REPLACEMENT 10/31/2001), and a sequence listing CRF: REPLACEMENT 10/31/2001. Seq. Listing: COPY 1 REPLACEMENT 10/31/2001 and Seq. Listing: COPY 2 REPLACEMENT 10/31/2001 are identical to each other and to the sequence listing CRF: REPLACEMENT 10/31/2001. All three

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Page 2

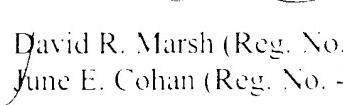
sequence listing CD-ROMs each contain one file called "pa_00348.txt" which is 21,836,782 bytes in size (measured in MS-DOS) and was created on October 31, 2001. All CD-ROMs are in IBM-PC machine format, and are MS-DOS and MS-Windows compatible.

Please stamp the postcard with the filing date of these documents and returned to our courier.

It is not believed that extensions of time are required in conjunction with this filing. However, if extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor are hereby authorized to be charged to our Deposit Account Number 50-1824, referencing docket number 16517.250. Applicants likewise authorize a charge to Deposit Account Number 50-1824 for any other fees related to the present application that are not otherwise provided for in the accompanying documents.

Respectfully submitted,


David R. Marsh (Reg. No. 41,408)


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UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C.
MAILED 10/09/2001
ATTN: DOCKETING

APPLICATION NUMBER	FLING RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09 849,526	05 07 2001	Thomas G. Ruff	16517.250 38-21 (51930)B

CONFIRMATION NO. 7991

FORMALITIES LETTER



OC000000006870567

28381
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IP DOCKETING DEPARTMENT: RM 1126(b)
555 12TH STREET, N.W.
WASHINGTON, DC 20004-1206

Date Mailed 10/09/2001

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS
CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE
DISCLOSURES**

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- The paper or compact disc copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Applicant must provide a substitute paper or compact disc copy of the "Sequence Listing", as well as an amendment directing its entry into the application OR a substitute computer readable form (CRF) copy of the "Sequence Listing". These two items must be the same. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

A copy of this notice MUST be returned with the reply.

Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE